

# INTERNATIONAL SEARCH REPORT

Inter. Appl. No.  
PCT/JP2004/012597

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7    G01M1/34    G01M1/22    G01M17/02		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7    G01M		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 239 275 A (KOKUSAI KEISOKUKI KK) 11 September 2002 (2002-09-11) column 20, line 43 - column 22, line 41; figures 14-16 column 23, line 48 - column 25, line 36; figures 19,20	1,8
A	----- US 4 078 339 A (ONGARO THEODORE) 14 March 1978 (1978-03-14) column 3, line 5 - line 30 column 6, line 34 - column 7, line 8; figure 6 column 13, line 49 - column 14, line 2; figure 12 column 15, line 6 - line 44 ----- <div style="text-align: right;">-/--</div>	1,8
<div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.</span> <span><input checked="" type="checkbox"/> Patent family members are listed in annex.</span> </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*G* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search	Date of mailing of the international search report	
25 November 2004	03/12/2004	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Trique, M	

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 4 128 969 A (GORMISH KENNETH J ET AL) 12 December 1978 (1978-12-12) column 2, line 3 - line 44 column 3, line 14 - column 5, line 5; figures 1-4 -----	1,8
A	EP 1 126 267 A (BRIDGESTONE CORP) 22 August 2001 (2001-08-22) paragraphs '0039!, '0040!; figure 3 paragraphs '0050! - '0052!; figure 6 -----	1,8
A	US 4 423 632 A (MADDEN ALLEN C ET AL) 3 January 1984 (1984-01-03) column 2, line 43 - column 3, line 11; figure 1 column 4, line 61 - column 5, line 30 -----	1,8

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Information on patent family members

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